

Notice of Allowability

Application No.

09/729,859

Examiner

Jurie Yun

Applicant(s)

TAKAHASHI, KENJI

Art Unit

2882

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 8/22/03.
2. ☒ The allowed claim(s) is/are 1-26.
3. ☒ The drawings filed on 06 December 2000 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
 - * Certified copies not received: _____.
5. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
 - (a) ☐ The translation of the foreign language provisional application has been received.
6. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE**

7. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
8. ☐ CORRECTED DRAWINGS must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No. _____.
 - (b) ☐ including changes required by the proposed drawing correction filed _____, which has been approved by the Examiner.
 - (c) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No. _____.

Identifying Indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet.

9. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|---|
| 1 <input type="checkbox"/> Notice of References Cited (PTO-892) | 2 <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3 <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 4 <input type="checkbox"/> Interview Summary (PTO-413), Paper No. _____ |
| 5 <input type="checkbox"/> Information Disclosure Statements (PTO-1449), Paper No. _____ | 6 <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 7 <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material | 8 <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9 <input type="checkbox"/> Other _____ |

DETAILED ACTION

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Alan J. Kasper on 9/23/03.

The application has been amended as follows:

In claim 1, line 8, delete " 1x10²cm' " and replace with -- 1 x 10² cm⁻¹ --

In claim 4, line 4, delete "20"

In claim 24, line 2, delete "loss" and replace with --less--

Allowable Subject Matter

2. Claims 1-26 are allowed.
3. The following is an examiner's statement of reasons for allowance: Prior art fails to disclose a display apparatus comprising: a light source unit for generating excitation light having a predetermined wavelength; an optical element for modulating the excitation light generated by the light source unit for each of pixels in a two-dimensional plane; and a fluorescent screen for receiving the excitation light, said fluorescent screen including a layer of phosphor having an absorption coefficient not smaller than 1 x 10² cm⁻¹ for the excitation light, as claimed in claims 1 and 4. Prior art also fails to disclose a display apparatus comprising: a light source unit for generating excitation light having

Art Unit: 2882

a predetermined wavelength; an optical element for modulating the excitation light generated by the light source unit for each of pixels in a two-dimensional plane; and a fluorescent screen for receiving the excitation light, said fluorescent screen including a layer of phosphor in which a thickness of said layer of phosphor that gives a maximum brightness caused by the excitation light is not larger than 120 μm , as claimed in claims 2 and 5. Prior art also fails to disclose a display apparatus comprising: a light source unit for generating excitation light having a predetermined wavelength; an optical element for modulating the excitation light generated by the light source unit for each of pixels in a two-dimensional plane; and a fluorescent screen for receiving the excitation light, said fluorescent screen including a layer of phosphor in which a product of an absorption coefficient for the excitation light and a thickness of the layer of phosphor is within a range from 1 to 8, as claimed in claims 3 and 6.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jurie Yun whose telephone number is 703 308-3535. The examiner can normally be reached on Monday-Friday 8:30-5:00pm.

Application/Control Number: 09/729,859
Art Unit: 2882

Page 4

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ed Glick can be reached on 703 308-4858. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703 308-0956.



Jurie Yun
September 23, 2003



EDWARD J. GLICK
SUPERVISORY PATENT EXAMINER